

Phenanthroline complexes of chromium group metals for the inner-sphere hydrophosphorylation of oxo- and thioxodienes

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Abstract

© 2016 Taylor & Francis Group, LLC. The phenanthroline ligand can stabilize organometallic complexes having oxo- or thioxodienes in the chromium group complexes for the regioselective inner-sphere hydrophosphorylation leading to the corresponding hydroxyl- or mercaptophosphonates.

<http://dx.doi.org/10.1080/10426507.2016.1216114>

Keywords

chromium group complexes, hydroxyphosphonates, Inner-sphere hydrophosphorylation, mercaptophosphonates